

**Circuit for supplying voltage to and controlling operating characteristics of light emitting diode(s) has inverter with power switches with variable switching frequency for brightness control**

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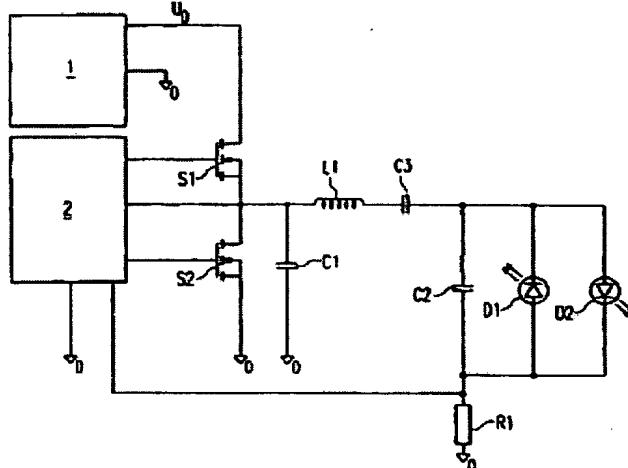
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**Abstract of DE10013207**

The circuit has at least one inverter connected to a d.c. source (1) and of variable output frequency with at least two controllable power switches (S1,S2) for converting the d.c. supply voltage into an alternating voltage and a load circuit connected to the inverter output and with a resonance element and at least one LED (D1,D2). The switching frequency of the power switches is variable to control LED brightness.

Independent claims are also included for the following: a method of supplying voltage to and controlling the operating characteristics of at least one light emitting diode.



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